4th ITU Annual Forum on "IoT, Big Data, Smart Cities and Societies" for Arab region

Dubai, UAE, 28-29 August 2019

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08:30-09:00 **Registration**

09:00-09:15 **Welcome remarks:**

- ITU
- Dubai University
- NTRA-Egypt
- TRA-UAE

09:15-09:30 **IoT Arab Challenge Award ceremony**

09:30-10:00 **Coffee Break and Group Photo**

10:00-10:45 **Keynote Speakers**

- Intel
- GSMA (TBC)

10:45-12:00 **Session1: Potential roles of 5G networks and IoT in the Arab Region**

The session will focus on technical aspects and potential roles of 5G networks and IoT and their deployments in the Region in order to support digital economy.

Moderator: Intel (TBC)

Panelists:

- Role of 5G and Internet of Things (IoT) in the Digital Economy
    - Eng Mustafa Al Mahdi, ITU
- Potential of 5G networks and IoT
    - Mr Ignacio Astillero, Intel
- Emerging technologies and spectrum implications:
    - GSMA (TBC)
- Sub topic to be added
    - Ericsson (TBC)

12:00-13:30 **Lunch Break**

13:30-14:30 **Session2: Enabling environment for 5G and IoT in the Arab Region**

The session is to highlight the key issues and responses for regulators and policy-makers to consider for formulating plan, policies and strategies to stimulate investment in 5G and IoT networks. In addition, the session aims to spotlight on 5G's spectrum availability and allocation, technology enablers, available terminals and devices for IoT in the Arab Region.

Moderator: Eng Mustafa Al Mahdi, ITU

Panelists:

- Regulatory aspects of IoT and 5G:
    - TRA-UAE/ASMG (TBC)
- Telecom regulatory framework for IoT and 5G
    - ITU expert (TBD)
- Key enablers for the digitalization of IoT and 5G
    - Speaker to be nominated (TBC)
- Enabling policies for 5G and IoT
    - Intel (confirmed and speaker name to be added)

14:30-15:30 Session3: Paving the Way for Big Data for Development

This session will shed light on the opportunities of Big Data for Development in the Arab region and more importantly will address how to create enabling environments to launch developmental applications of Big Data across all fields.

Moderator: Dr Nasser Kettani, ITU Consultant

Panelists:

- Big Data in Academic Research
    - Mr Ali Mazareh, CEO ADRI (TBC)
- Capacity building for Big Data
    - Dr. Ayman Ibrahim, ITU Expert (TBC)
- Big Data in Education
    - UAE [Speaker from UAE education programme to present experience in big data in education]
- Sub topic to be added
    - Google (TBC)
- Sub topic to be added
    - Dubai University

09:00-10:30   Session4: Deployment Strategies in IoT for Smart Cities Implementation: Coverage and connectivity issues and challenges

This session is aiming to discuss the IoT related opportunities and challenges faced by policy makers and regulators during the adoption of the IoT ecosystem and for the implementation of the Smart Sustainable Cities. In addition, the session will explore key requirements from industry players to build successful smart and sustainable cities strategies including different types of IoT applications and services such as healthcare, home automation, disaster recovery, and industry automation. Moreover, the session will showcasing IoT products and solutions that are changing the way the world communicates.

Moderator: Eng Mohammed Aboud, Co-Founder and CEO Global Innovation and Entrepreneurship (GIE)

Panelists:

- Challenges in deploying the IoT services in smart cities:
  - Dr Fadel Digham, NTRA-Egypt
- Sub topic to be added
  - Intel (TBC)
- IoT Applications and Services
  - UAE-Smart Dubai/Masdar City (TBC)
- Development of IoT and Smart cities: Industry perspective
  - Huawei (TBC)

10:30-11:00   Coffee Break

11:00-12:30   Session5: 5G, AI and IoT for Digital Transformation Acceleration

The session is aims to shed light on How are 5G, AI and IoT accelerating digital transformation, What is digital transformation doing for business today and what will it deliver in the future and the milestones and roadmap for the future digital transformation in Arab Region.

Moderator: TRA-UAE (TBC)

Panelists:

- 5G & AI for Digital transformation acceleration
  - Mr Turhan Muluk, Intel
- Internet of Things Solutions in the Digital Transformation
  - Cisco/Etisalat - Speaker to be nominated/contacted by ITU- (TBC)
- Latest technologies and application of digital transformation:
  - Microsoft (TBC)
- An overview of industry attitudes toward and adoption of IoT for digital transformation

- ▪ Dr. Muneer Zuhdi, Partner, MEA Region, Nokia

12:30-14:00   Lunch Break

14:00-15:00   Session6: How are IoT and Smart Cities Influencing Industry 4.0

IoT and Smart Cities data and services that will change future production, logistics, and work processes. This means that the evolution of the IoT has gone beyond Internet-connected applications in recent years with the integration of different technologies such as machine learning, embedded systems, and wireless connection.

Moderator: NTRA-Egypt

Panelists:

- The Role and Impact of Industry 4.0 and the Internet of Things
  - ▪ ITU expert (TBD)
- Intelligent Manufacturing in the context of Industry 4.0
  - ▪ Nokia (TBC)
- Industry 4.0 as a part of Smart Cities
  - ▪ SIEMENS (TBC)

15:00-15:30   Session7: Forum's Wrap-up and closing
Finalisation of Recommendations and closing remarks

- ITU
- University of Dubai
- TRA-UAE